

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana

[Major element data expressed in weight percent; trace element data expressed in ppm (parts per million) or µg/g, dry weight basis]

Site Number (fig. 2)	Sample Number	Aluminum percent	Calcium percent	Iron percent	Potassium percent	Magnesium percent	Sodium percent	Phosphorous percent	Titanium percent
Boulder River									
1B	99-BMB-102a	8.3	2.1	2.9	2.2	0.77	2.0	0.07	0.33
	99-BMB-102b	8.0	2.2	3.3	2.2	0.67	2.1	0.08	0.31
	99-BMB-102c	6.8	1.8	9.6	1.9	0.76	1.3	0.13	0.30
2B	99-BMB-103a	7.8	1.6	3.0	2.2	0.86	1.5	0.10	0.29
	99-BMB-103b	8.3	2.1	3.2	2.3	0.71	2.1	0.07	0.44
	99-BMB-103c	8.5	2.5	4.3	2.5	0.73	2.5	0.09	0.59
	99-BMB-103d	7.9	2.3	4.3	2.3	0.70	2.2	0.09	0.51
	99-BMB-103e ¹	8.1	2.4	4.0	2.4	0.88	2.1	0.10	0.53
3B	99-BMB-104a	7.3	1.7	3.7	2.5	0.74	1.5	0.10	0.37
	99-BMB-104b	7.2	1.4	4.8	2.4	0.62	1.3	0.12	0.39
	99-BMB-104c ¹	7.8	2.2	7.1	2.3	0.78	2.0	0.11	0.61
4B	99-BMB-106a	7.4	1.6	4.2	2.5	0.66	1.6	0.08	0.32
	99-BMB-106b	7.8	1.7	4.2	2.6	0.65	1.6	0.08	0.32
	99-BMB-106c	7.9	1.7	4.5	2.6	0.69	1.7	0.08	0.31
	99-BMB-106d	9.1	1.9	4.6	3.3	0.79	2.0	0.10	0.30
5B	99-BMB-105a	7.4	1.8	4.1	2.3	0.99	1.6	0.1	0.42
	99-BMB-105b	7.4	1.7	4.7	2.4	0.79	1.5	0.09	0.39
	99-BMB-105d	7.6	1.7	4.9	2.4	0.75	1.4	0.10	0.38

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Aluminum percent	Calcium percent	Iron percent	Potassium percent	Magnesium percent	Sodium percent	Phosphorous percent	Titanium percent
6B	99-BMB-108a	8.1	1.8	3.5	2.6	0.87	1.6	0.08	0.42
	99-BMB-108b	8.5	2.0	5.2	2.6	0.94	1.6	0.12	0.45
	99-BMB-108c	8.6	2.0	4.6	2.4	0.92	1.7	0.11	0.42
	99-BMB-108d	8.4	2.1	4.8	2.4	1.0	1.6	0.13	0.40
Basin Creek									
7B	98-BMB-406-a	7.5	1.2	1.7	2.0	0.37	3.0	0.06	0.31
	98-BMB-406-b	7.5	1.2	1.6	2.1	0.34	3.1	0.05	0.30
	98-BMB-406-c	8.2	1.1	2.2	1.3	0.50	1.8	0.04	0.35
	98-BMB-406-d	7.7	0.83	2.0	0.94	0.55	0.81	0.02	0.33
	98-BMB-406-e	5.5	0.59	1.4	0.67	0.39	0.55	0.02	0.22
	98-BMB-406-f	8.2	0.98	2.5	1.3	0.64	0.94	0.03	0.37
	98-BMB-406-g ¹	8.8	1.4	6.0	1.6	0.86	1.2	0.07	0.49
	98-BMB-406-h	9.0	1.9	5.4	1.8	1.2	1.3	0.07	0.54
	98-BMB-406-i	9.6	1.7	3.1	1.8	1.1	1.3	0.04	0.53
	98-BMB-406-j	9.4	2.2	6.3	2.0	1.4	1.5	0.13	0.51
	98-BMB-406-k	9.1	1.3	3.2	1.6	1.0	1.2	0.05	0.49
	98-BMB-406-l	7.5	1.6	2.5	3.2	0.49	1.6	0.06	0.20
	98-BMB-406-m	9.2	1.6	3.4	2.0	1.1	1.2	0.07	0.49
	98-BMB-406-n	9.2	2.4	4.9	2.2	1.5	1.6	0.12	0.61
	98-BMB-406-o	9.2	3.0	8.4	2.2	1.4	1.9	0.16	0.81
	98-BMB-406-p	9.5	2.2	3.9	2.1	1.4	1.6	0.15	0.58
	98-BMB-406-q	9.4	2.2	4.0	2.0	1.4	1.6	0.15	0.57
	98-BMB-406-r	8.9	1.7	3.6	1.8	1.3	1.3	0.18	0.55
	98-BMB-406-s	8.5	1.8	3.4	1.8	1.1	1.4	0.20	0.51

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Aluminum percent	Calcium percent	Iron percent	Potassium percent	Magnesium percent	Sodium percent	Phosphorous percent	Titanium percent
8B	98-BMB-401-a	7.8	1.0	2.7	1.9	0.53	0.78	0.11	0.24
	98-BMB-401-b	8.0	0.97	2.6	2.1	0.59	0.88	0.09	0.29
	98-BMB-401-c	8.1	1.0	2.5	2.2	0.58	0.96	0.09	0.29
	98-BMB-401-d	8.1	1.0	2.4	2.4	0.58	1.1	0.05	0.36
	98-BMB-401-e	8.3	1.0	2.8	2.4	0.63	1.0	0.05	0.35
	98-BMB-401-f	8.4	0.96	2.6	2.4	0.60	1.1	0.04	0.36
	98-BMB-401-g	8.3	1.1	2.9	2.6	0.64	1.2	0.08	0.39
	98-BMB-401-h	8.1	1.2	2.7	2.6	0.64	1.2	0.10	0.36
	98-BMB-401-i	8.6	1.1	3.6	2.3	0.67	1.0	0.08	0.34
	98-BMB-401-j	8.5	1.2	4.2	2.3	0.67	1.1	0.10	0.38
9B	98-BMB-402-a	7.0	1.2	3.4	2.3	0.64	1.1	0.11	0.29
	98-BMB-402-b	6.5	0.78	2.2	3.1	0.37	1.1	0.05	0.21
	98-BMB-402-c	6.8	0.78	2.3	3.1	0.43	1.1	0.06	0.21
	98-BMB-402-d	7.4	1.0	4.2	2.5	0.56	1.1	0.12	0.30
	98-BMB-402-e	7.0	0.69	2.6	3.0	0.45	1.0	0.06	0.23
	98-BMB-402-f	7.5	0.77	3.3	2.3	0.66	0.92	0.11	0.28
	98-BMB-402-g	7.8	0.63	2.7	2.2	0.58	0.81	0.08	0.26
	98-BMB-402-h	7.2	0.47	3.0	1.2	0.43	0.44	0.08	0.22
	98-BMB-402-i	7.7	0.80	2.7	1.5	0.56	0.74	0.04	0.30
	98-BMB-402-j	7.7	1.0	2.1	2.1	0.60	1.1	0.03	0.34
	98-BMB-402-k	7.7	1.2	1.7	2.9	0.53	1.4	0.02	0.28
	98-BMB-402-l	8.5	1.2	2.9	2.0	0.83	1.2	0.04	0.41
	98-BMB-402-m ¹	8.3	1.0	2.6	2.7	0.74	1.2	0.04	0.42

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Aluminum percent	Calcium percent	Iron percent	Potassium percent	Magnesium percent	Sodium percent	Phosphorous percent	Titanium percent
10B	98-BMB-403-a	7.5	1.2	3.8	2.0	0.66	0.88	0.12	0.30
	98-BMB-403-b	7.9	1.3	3.4	2.4	0.72	1.2	0.11	0.34
	98-BMB-403-c	7.9	1.3	3.2	2.5	0.67	1.2	0.11	0.32
	98-BMB-403-d	7.6	1.4	2.9	2.4	0.67	1.1	0.10	0.31
	98-BMB-403-e	7.3	1.1	2.1	3.0	0.57	1.2	0.06	0.28
	98-BMB-403-f	8.0	1.2	2.7	2.4	0.75	1.0	0.07	0.33
	98-BMB-403-g	7.1	1.1	2.2	2.8	0.59	1.2	0.05	0.28
	98-BMB-403-h	7.8	1.2	2.6	2.6	0.68	1.2	0.06	0.33
	98-BMB-403-i	7.5	1.1	2.1	2.8	0.60	1.2	0.05	0.30
	98-BMB-403-j	8.5	1.7	3.0	2.5	0.87	1.6	0.09	0.45
11B	97-BMB-123a	6.9	1.2	4.7	2.3	0.67	1.1	0.09	0.35
	97-BMB-123b	7.5	1.6	5.3	2.5	0.73	1.4	0.10	0.42
3T	98BMF 105B-k	7.5	1.2	1.2	3.2	0.43	1.5	0.04	0.20
	98BMF 105B-l	6.7	1.1	0.91	3.4	0.37	1.4	0.03	0.16
	98BMF 105B-m	8.1	1.0	1.6	2.1	0.58	1.3	0.04	0.32
	98BMF 105B-n	8.4	1.2	1.9	1.8	0.71	1.4	0.04	0.39
Jack Creek									
12B	98-BMB-407-a	8.3	1.6	4.9	1.4	1.1	0.87	0.10	0.44
	98-BMB-407-b	8.4	1.6	4.9	1.2	0.95	0.62	0.11	0.35
	98-BMB-407-c	8.4	1.8	4.7	1.7	1.2	1.1	0.08	0.46
	98-BMB-407-d	8.3	1.8	4.7	1.8	1.3	1.2	0.08	0.52
	98-BMB-407-e	8.5	2.1	4.8	2.0	1.4	1.4	0.09	0.54
	98-BMB-407-f	8.6	1.8	4.8	1.8	1.2	1.3	0.10	0.52

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Aluminum percent	Calcium percent	Iron percent	Potassium percent	Magnesium percent	Sodium percent	Phosphorous percent	Titanium percent
13B	97-BMB-122a	7.5	2.1	7.9	2.2	1.2	1.5	0.13	0.57
	97-BMB-122b	8.0	2.3	5.9	2.2	1.5	1.6	0.12	0.58
	97-BMB-122c	8.0	2.1	5.2	2.1	1.5	1.5	0.10	0.62
	97-BMB-122d	8.2	2.1	5.1	2.1	1.5	1.5	0.10	0.60
	97-BMB-122e	8.3	2.1	5.3	2.2	1.4	1.6	0.09	0.60
	97-BMB-122f	8.7	2.0	5.0	2.2	1.4	1.6	0.07	0.60
	97-BMB-122g	8.1	1.8	4.9	2.0	1.4	1.6	0.08	0.63
	97-BMB-122h	8.5	2.4	5.8	2.5	1.6	1.7	0.08	0.65
	97-BMB-122l	7.9	2.0	5.5	2.2	1.5	1.6	0.09	0.66
14B	98-BMB-405-a ¹	5.1	0.62	3.6	1.8	0.46	0.47	0.09	0.20
	98-BMB-405-b	8.2	1.8	4.4	1.9	1.3	1.3	0.14	0.46
	98-BMB-405-c	8.6	2.3	5.1	2.0	1.6	1.6	0.13	0.58
	98-BMB-405-d	8.5	2.3	5.4	1.9	1.6	1.6	0.11	0.65
	98-BMB-405-e	8.0	3.6	11	1.8	2.3	1.8	0.18	1.1
	98-BMB-405-f	8.4	3.7	9.9	1.7	2.3	2.0	0.19	0.78
	98-BMB-405-g	8.3	3.2	7.0	1.8	2.0	1.8	0.15	0.67
15B	98-BMB-404-a	7.4	2.2	5.0	2.1	1.2	1.5	0.12	0.47
	98-BMB-404-b	7.6	2.2	4.9	2.2	1.2	1.5	0.12	0.47
	98-BMB-404-c	7.5	2.3	5.9	2.1	1.2	1.5	0.12	0.54
	98-BMB-404-d	7.7	1.7	4.6	2.0	1.2	1.2	0.11	0.44
	98-BMB-404-e	7.2	2.1	9.2	2.0	1.1	1.4	0.13	0.64
	98-BMB-404-f	7.4	2.3	9.5	2.4	1.2	1.6	0.14	0.63
	98-BMB-404-g	7.6	2.3	7.2	2.3	1.3	1.6	0.15	0.47
	98-BMB-404-h	7.7	1.1	3.6	1.6	0.59	1.1	0.28	0.37

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Aluminum percent	Calcium percent	Iron percent	Potassium percent	Magnesium percent	Sodium percent	Phosphorous percent	Titanium percent
Uncle Sam Gulch									
16B	97-BMB-134a	7.7	1.6	4.8	2.3	0.77	1.6	0.09	0.23
	97-BMB-134b	7.4	1.6	5.2	2.0	0.66	1.8	0.07	0.21
	97-BMB-134c	7.0	1.6	6.8	1.8	0.66	1.7	0.06	0.22
	97-BMB-134d	6.7	1.3	9.1	1.6	0.59	1.2	0.08	0.01
	97-BMB-134e	6.2	1.2	8.5	1.4	0.55	1.2	0.08	< 0.005
	97-BMB-134f	6.8	1.2	4.7	1.5	0.62	1.3	0.09	< 0.005
	97-BMB-134g	6.6	1.3	7.0	1.6	0.58	1.4	0.07	< 0.005
17B	97-BMB-135a	2.3	0.76	4.6	0.54	0.22	0.28	0.13	< 0.005
	97-BMB-135b	5.1	0.59	6.4	0.94	0.47	0.50	0.10	0.006
	97-BMB-135c	6.0	0.63	7.0	1.1	0.54	0.65	0.10	0.07
	97-BMB-135d	6.6	1.1	6.4	1.2	0.61	1.1	0.09	0.15
	97-BMB-135e	8.5	1.5	5.0	1.5	0.80	1.6	0.11	0.27
	97-BMB-135f	8.8	1.6	5.0	1.6	0.77	1.6	0.10	0.29
	97-BMB-135g	8.4	1.6	4.4	1.5	0.81	1.7	0.09	0.36
	97-BMB-135h	8.7	1.6	4.8	1.6	0.85	1.6	0.10	0.38
	97-BMB-135i	9.1	1.7	4.8	1.6	0.86	1.9	0.09	0.40
	97-BMB-135j	9.2	1.8	6.2	1.7	0.82	1.7	0.08	0.38
	97-BMB-135k	8.6	1.7	3.7	1.8	0.80	1.8	0.08	0.39
	97-BMB-135l	8.7	2.0	4.2	1.7	0.82	2.1	0.08	0.38

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Aluminum percent	Calcium percent	Iron percent	Potassium percent	Magnesium percent	Sodium percent	Phosphorous percent	Titanium percent
High Ore Creek									
18B	96-BM-139a ¹	3.4	0.8	6.9	1.2	0.37	0.48	0.07	0.13
	96-BM-139b	3.5	0.54	6.3	1.2	0.29	0.46	0.06	0.11
	96-BM-139c	6.9	1.6	6.1	2.2	1.0	0.88	0.14	0.45
	96-BM-139d	6.9	1.4	6.6	2.3	1.0	0.91	0.14	0.44
	96-BM-139e	6.8	1.4	6.9	2.1	1.0	0.88	0.16	0.40
	96-BM-139f	7.4	1.7	7.7	2.5	1.2	0.99	0.15	0.41
	96-BM-139g	8.5	2.1	6.7	3.0	1.6	1.3	0.16	0.56
	96-BM-139h	8.4	1.9	6.3	2.8	1.5	1.1	0.16	0.62
19B	97-BMB-125a	6.7	0.71	5.9	2.1	0.69	0.81	0.12	0.24
	97-BMB-125b	7.4	1.6	7.3	2.5	1.1	1.0	0.15	0.36
	97-BMB-125c	8.0	1.4	4.3	2.4	1.0	1.4	0.18	0.40
	97-BMB-125d	8.9	1.4	4.0	2.5	0.88	1.7	0.17	0.41
	97-BMB-125e	7.9	1.0	4.4	2.4	0.78	0.84	0.14	0.37
	97-BMB-125f	10	1.2	5.8	3.5	0.91	0.82	0.16	0.44
	97-BMB-125g	9.2	1.2	5.3	3.5	0.82	0.86	0.15	0.40
	97-BMB-125h	10	1.3	5.8	3.5	0.91	0.75	0.16	0.39
	97-BMB-125i	9.8	1.4	5.9	3.4	0.93	0.72	0.15	0.42
	97-BMB-125j	11	1.4	6.5	3.7	0.89	0.77	0.16	0.39
	97-BMB-125k ¹	10	1.5	5.7	3.5	0.88	0.73	0.14	0.37
	97-BMB-125l	9.0	1.6	5.1	2.8	0.97	0.77	0.13	0.42
	97-BMB-125m	9.0	1.5	5.4	2.9	1.0	0.91	0.14	0.45

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Aluminum percent	Calcium percent	Iron percent	Potassium percent	Magnesium percent	Sodium percent	Phosphorous percent	Titanium percent
High Ore Creek below Comet Mine									
5T	97BMF-130-5-d	6.5	0.9	2.3	1.8	0.56	1.1	0.07	0.31
	97BMF-130-5-f	6.4	0.78	1.0	3.4	0.24	1.4	0.03	0.17
	97BMF-130-7-e	6.5	0.7	1.7	2.3	0.46	1.1	0.05	0.25
	97BMF-130-7-g	7.7	0.94	1.9	2.7	0.55	1.4	0.05	0.29
	97BMF-131-9-f	7.3	0.84	1.0	3.3	0.28	1.7	0.04	0.19
	97BMF-131-9-g	7.0	0.76	1.1	3.3	0.27	1.5	0.03	0.20
	97BMF-131-13-e	7.3	0.98	1.4	3.5	0.24	1.9	0.04	0.18
	97BMF-131-13-f	8.1	0.98	2.2	3.0	0.41	1.7	0.05	0.31

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Arsenic ppm	Barium ppm	Beryllium ppm	Cadmium ppm	Cerium ppm	Chromium ppm	Cobalt ppm	Copper ppm	Gallium ppm
Boulder River										
1B	99-BMB-102a	57	870	2	< 2	82	34	11	100	17
	99-BMB-102b	110	900	2	< 2	72	34	10	150	17
	99-BMB-102c	520	940	2	2	77	39	20	1100	18
2B	99-BMB-103a	26	840	2	< 2	72	44	13	750	17
	99-BMB-103b	37	920	2	< 2	120	36	16	150	16
	99-BMB-103c	24	940	2	< 2	230	50	16	52	17
	99-BMB-103d	40	900	2	< 2	180	49	14	160	17
	99-BMB-103e ¹	69	830	2	3	150	47	15	160	16
3B	99-BMB-104a	160	660	2	6	88	27	14	210	14
	99-BMB-104b	430	710	2	2	110	43	12	560	17
	99-BMB-104c ¹	61	695	2	< 2	170	74	15	715	19
4B	99-BMB-106a	31	780	2	< 2	76	38	13	63	16
	99-BMB-106b	37	840	2	< 2	85	38	12	68	16
	99-BMB-106c	39	810	2	< 2	87	42	12	69	17
	99-BMB-106d	52	960	2	6	100	38	14	100	19
5B	99-BMB-105a	46	720	2	< 2	79	41	15	43	17
	99-BMB-105b	130	700	2	4	130	46	14	120	16
	99-BMB-105d	290	720	2	5	84	40	16	310	16

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Arsenic ppm	Barium ppm	Beryllium ppm	Cadmium ppm	Cerium ppm	Chromium ppm	Cobalt ppm	Copper ppm	Gallium ppm
6B	99-BMB-108a	28	780	2	< 2	86	36	13	31	17
	99-BMB-108b	88	810	2	< 2	140	51	15	89	18
	99-BMB-108c	61	840	2	< 2	120	50	15	89	18
	99-BMB-108d	140	780	2	3	91	47	16	180	17
Basin Creek										
7B	98-BMB-406-a	15	740	2	< 2	45	6	8	25	15
	98-BMB-406-b	14	770	2	< 2	46	3	7	21	15
	98-BMB-406-c	23	770	2	2	65	27	9	54	17
	98-BMB-406-d	19	560	2	2	71	41	8	61	16
	98-BMB-406-e	14	380	1	< 2	39	30	6	30	11
	98-BMB-406-f	19	560	2	3	90	40	10	78	17
	98-BMB-406-g ¹	44	615	2	< 2	75	40	12	44	20
	98-BMB-406-h	30	560	3	2	130	48	16	50	22
	98-BMB-406-i	18	570	2	2	96	43	16	56	21
	98-BMB-406-j	48	550	3	2	110	42	16	26	22
	98-BMB-406-k	32	610	3	4	100	46	18	72	20
	98-BMB-406-l	24	850	2	< 2	62	15	8	12	13
	98-BMB-406-m	30	600	2	< 2	92	40	18	49	20
	98-BMB-406-n	32	570	3	< 2	120	46	17	48	24
	98-BMB-406-o	26	550	2	< 2	160	89	19	20	21
	98-BMB-406-p	29	540	3	< 2	120	42	17	42	22
	98-BMB-406-q	25	520	3	< 2	98	40	16	31	23
	98-BMB-406-r	25	460	2	2	73	39	17	24	19
	98-BMB-406-s	24	470	2	< 2	79	38	15	28	18

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Arsenic ppm	Barium ppm	Beryllium ppm	Cadmium ppm	Cerium ppm	Chromium ppm	Cobalt ppm	Copper ppm	Gallium ppm
8B	98-BMB-401-a	32	640	6	2	100	19	10	42	16
	98-BMB-401-b	28	650	5	< 2	94	22	11	28	18
	98-BMB-401-c	17	640	5	< 2	93	20	10	19	19
	98-BMB-401-d	16	690	4	< 2	99	21	11	16	18
	98-BMB-401-e	21	680	5	< 2	88	22	12	17	20
	98-BMB-401-f	18	690	5	< 2	96	22	11	19	19
	98-BMB-401-g	21	690	5	< 2	82	24	12	34	19
	98-BMB-401-h	32	650	4	< 2	74	20	11	16	20
	98-BMB-401-i	29	700	4	< 2	87	20	15	14	20
	98-BMB-401-j	41	740	4	< 2	85	19	14	11	20
9B	98-BMB-402-a	440	620	3	5	74	19	16	110	16
	98-BMB-402-b	130	740	3	< 2	59	13	8	36	14
	98-BMB-402-c	160	730	3	2	60	13	12	110	14
	98-BMB-402-d	740	620	4	4	93	20	25	180	16
	98-BMB-402-e	360	730	3	3	68	11	11	160	16
	98-BMB-402-f	620	650	4	4	84	24	11	530	18
	98-BMB-402-g	720	580	4	3	78	21	11	240	20
	98-BMB-402-h	280	640	3	5	76	27	14	170	16
	98-BMB-402-i	68	660	3	4	79	32	16	71	16
	98-BMB-402-j	28	760	2	2	72	29	13	38	16
	98-BMB-402-k	17	800	2	< 2	68	19	10	23	15
	98-BMB-402-l	27	830	3	2	90	36	15	47	18
	98-BMB-402-m ¹	41	835	3	< 2	98	49	15	46	17

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Arsenic ppm	Barium ppm	Beryllium ppm	Cadmium ppm	Cerium ppm	Chromium ppm	Cobalt ppm	Copper ppm	Gallium ppm
10B	98-BMB-403-a	58	700	4	3	90	23	21	38	14
	98-BMB-403-b	35	730	4	< 2	87	21	16	16	16
	98-BMB-403-c	34	720	4	< 2	87	26	16	18	16
	98-BMB-403-d	35	700	4	< 2	88	21	14	23	16
	98-BMB-403-e	20	800	3	< 2	68	16	12	13	15
	98-BMB-403-f	29	690	4	< 2	86	24	13	21	18
	98-BMB-403-g	20	780	3	< 2	72	16	11	15	15
	98-BMB-403-h	24	760	4	< 2	76	22	13	19	17
	98-BMB-403-i	21	780	3	< 2	64	15	11	12	16
	98-BMB-403-j	35	730	3	< 2	86	24	18	13	18
11B	97-BMB-123a	120	600	3	< 2	96	56	12	90	13
	97-BMB-123b	210	680	3	< 2	100	57	11	150	12
3T	98BMF 105B-k	30	850	2	2	51	13	7	97	14
	98BMF 105B-l	18	800	1	2	47	9	6	48	12
	98BMF 105B-m	27	690	2	8	85	28	12	62	18
	98BMF 105B-n	50	700	2	< 2	63	28	13	48	18
Jack Creek										
12B	98-BMB-407-a	93	620	2	4	76	50	16	200	18
	98-BMB-407-b	80	630	2	3	80	48	15	140	14
	98-BMB-407-c	50	620	2	< 2	74	47	15	65	19
	98-BMB-407-d	57	620	2	2	77	45	16	59	17
	98-BMB-407-e	49	610	2	< 2	78	43	17	49	17
	98-BMB-407-f	54	650	2	< 2	84	48	17	50	19

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Arsenic ppm	Barium ppm	Beryllium ppm	Cadmium ppm	Cerium ppm	Chromium ppm	Cobalt ppm	Copper ppm	Gallium ppm
13B	97-BMB-122a	260	600	2	10	180	74	46	540	14
	97-BMB-122b	98	550	2	7	120	47	21	660	20
	97-BMB-122c	62	560	2	5	99	46	21	500	19
	97-BMB-122d	46	560	2	5	120	46	18	470	18
	97-BMB-122e	59	600	2	7	110	48	17	360	20
	97-BMB-122f	41	680	2	17	130	45	15	110	23
	97-BMB-122g	62	700	2	14	130	45	17	66	19
	97-BMB-122h	54	670	2	2	130	51	21	68	18
	97-BMB-122i	72	680	2	3	130	54	22	86	21
14B	98-BMB-405-a ¹	3050	280	1	< 2	48	32	7	375	11
	98-BMB-405-b	1100	540	2	6	97	44	16	1200	19
	98-BMB-405-c	140	600	3	16	110	44	25	800	19
	98-BMB-405-d	140	610	2	< 2	110	46	26	69	19
	98-BMB-405-e	110	570	3	3	200	130	26	26	20
	98-BMB-405-f	170	590	3	2	160	100	25	35	20
	98-BMB-405-g	120	560	3	< 2	140	60	21	42	19
15B	98-BMB-404-a	930	510	2	9	100	40	19	330	15
	98-BMB-404-b	830	530	2	9	100	38	20	320	14
	98-BMB-404-c	1100	530	2	8	130	46	23	340	14
	98-BMB-404-d	500	540	2	17	82	36	27	700	15
	98-BMB-404-e	740	590	2	12	130	95	22	510	16
	98-BMB-404-f	500	720	2	7	140	100	33	320	10
	98-BMB-404-g	690	750	2	4	120	58	25	260	13
	98-BMB-404-h	110	1100	2	3	52	41	17	72	17

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Arsenic ppm	Barium ppm	Beryllium ppm	Cadmium ppm	Cerium ppm	Chromium ppm	Cobalt ppm	Copper ppm	Gallium ppm
Uncle Sam Gulch										
16B	97-BMB-134a	2400	580	2	16	100	14	19	1100	17
	97-BMB-134b	2600	510	3	14	110	14	27	1900	15
	97-BMB-134c	3000	520	3	20	110	16	59	2700	11
	97-BMB-134d	6400	500	3	28	120	11	22	4400	13
	97-BMB-134e	5400	480	3	54	100	11	20	4700	13
	97-BMB-134f	3900	430	3	36	110	17	19	6400	14
	97-BMB-134g	3900	460	3	22	120	14	22	6600	14
17B	97-BMB-135a	3600	350	1	34	38	4	19	4400	< 4
	97-BMB-135b	2200	350	2	21	110	10	23	2900	9
	97-BMB-135c	1500	380	2	17	110	14	34	2400	8
	97-BMB-135d	640	450	2	21	110	16	72	2000	< 4
	97-BMB-135e	270	490	3	10	120	22	26	1200	16
	97-BMB-135f	260	550	4	88	110	23	29	1100	14
	97-BMB-135g	220	530	4	26	110	25	30	150	14
	97-BMB-135h	230	550	4	22	130	28	25	120	15
	97-BMB-135i	220	560	4	22	140	28	23	90	18
	97-BMB-135j	340	580	4	21	130	26	28	92	18
	97-BMB-135k	230	540	4	16	130	27	26	110	18
	97-BMB-135l	190	520	4	59	150	26	27	470	18

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Arsenic ppm	Barium ppm	Beryllium ppm	Cadmium ppm	Cerium ppm	Chromium ppm	Cobalt ppm	Copper ppm	Gallium ppm
High Ore Creek										
18B	96-BM-139a ¹	6850	200	< 1	15	60	8	22	460	< 4
	96-BM-139b	6000	360	1	29	52	7	24	650	< 4
	96-BM-139c	2100	670	2	22	100	32	22	320	10
	96-BM-139d	3000	720	2	26	100	35	26	630	12
	96-BM-139e	4300	670	2	38	110	36	36	1000	8
	96-BM-139f	5300	730	2	39	110	36	39	1100	9
	96-BM-139g	1000	700	2	22	140	40	36	390	13
	96-BM-139h	120	700	2	24	130	53	29	130	12
19B	97-BMB-125a	8500	580	2	9	76	23	10	1600	16
	97-BMB-125b	5300	690	2	37	100	34	35	1100	8
	97-BMB-125c	1300	680	2	12	120	30	16	820	19
	97-BMB-125d	540	690	3	21	130	29	20	520	19
	97-BMB-125e	280	620	2	58	100	30	19	280	16
	97-BMB-125f	120	650	3	31	120	33	20	100	20
	97-BMB-125g	76	690	3	17	120	33	20	80	19
	97-BMB-125h	46	710	3	12	120	32	22	93	20
	97-BMB-125i	86	710	3	7	120	32	24	140	20
	97-BMB-125j	82	770	3	6	130	31	25	140	21
	97-BMB-125k ¹	120	685	3	7	125	30	24	125	20
	97-BMB-125l	250	680	3	14	120	32	21	190	19
	97-BMB-125m	96	710	3	7	130	38	19	120	18

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Arsenic ppm	Barium ppm	Beryllium ppm	Cadmium ppm	Cerium ppm	Chromium ppm	Cobalt ppm	Copper ppm	Gallium ppm
High Ore Creek below Comet Mine										
5T	97BMF-130-5-d	136	836	2	30	59	5	5	47	12
	97BMF-130-5-f	50	1010	1	0	40	< 2	2	20	11
	97BMF-130-7-e	788	839	2	32	51	3	4	365	12
	97BMF-130-7-g	73	928	2	55	74	8	10	29	16
	97BMF-131-9-f	40	1040	1	0.01	48	5	< 2	85	10
	97BMF-131-9-g	31	1010	1	0.01	45	< 2	< 2	48	9
	97BMF-131-13-e	13	1120	2	0.01	49	5	3	6	7
	97BMF-131-13-f	25	1040	2	5	71	3	14	16	17

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Lanthanum ppm	Lead ppm	Lithium ppm	Manganese ppm	Molybdenum ppm	Neodymium ppm	Nickel ppm	Niobium ppm	Scandium ppm
Boulder River										
1B	99-BMB-102a	51	40	22	690	< 2	37	14	21	9
	99-BMB-102b	46	72	21	470	< 2	32	14	22	8
	99-BMB-102c	48	440	25	790	2	39	28	10	11
2B	99-BMB-103a	44	35	28	710	< 2	33	17	21	10
	99-BMB-103b	72	42	21	1200	< 2	49	15	24	9
	99-BMB-103c	150	34	22	1300	< 2	89	18	28	11
	99-BMB-103d	110	49	22	960	< 2	68	17	24	11
	99-BMB-103e ¹	91	87	23	1200	< 2	60	19	26	12
3B	99-BMB-104a	53	230	25	1400	< 2	35	15	21	11
	99-BMB-104b	63	410	23	770	< 2	43	15	22	11
	99-BMB-104c ¹	108	105	20	780	< 2	68	18	30	13
4B	99-BMB-106a	44	55	22	490	< 2	36	15	19	10
	99-BMB-106b	54	73	21	510	< 2	38	14	20	9
	99-BMB-106c	56	78	23	520	< 2	42	14	23	10
	99-BMB-106d	62	130	29	630	< 2	50	18	20	12
5B	99-BMB-105a	48	74	24	670	< 2	37	19	21	11
	99-BMB-105b	81	200	27	800	< 2	54	18	20	11
	99-BMB-105d	50	290	27	1300	< 2	37	16	23	11

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Lanthanum ppm	Lead ppm	Lithium ppm	Manganese ppm	Molybdenum ppm	Neodymium ppm	Nickel ppm	Niobium ppm	Scandium ppm
6B	99-BMB-108a	54	48	32	580	< 2	37	16	25	11
	99-BMB-108b	82	91	34	960	< 2	61	20	23	13
	99-BMB-108c	68	72	31	1300	< 2	49	20	24	13
	99-BMB-108d	50	110	32	1600	< 2	40	19	22	14
Basin Creek										
7B	98-BMB-406-a	24	22	38	370	< 2	26	6	17	8
	98-BMB-406-b	24	21	38	370	< 2	26	6	17	8
	98-BMB-406-c	42	48	66	270	< 2	41	14	19	13
	98-BMB-406-d	49	64	65	190	< 2	44	14	19	16
	98-BMB-406-e	26	50	43	140	< 2	23	9	13	12
	98-BMB-406-f	60	100	60	230	< 2	58	18	20	18
	98-BMB-406-g ¹	47	100	51	345	< 2	45	18	21	19
	98-BMB-406-h	89	110	44	680	< 2	82	21	23	23
	98-BMB-406-i	64	140	60	470	< 2	55	18	27	22
	98-BMB-406-j	57	120	43	600	< 2	57	20	23	24
	98-BMB-406-k	75	110	66	430	< 2	66	26	24	21
	98-BMB-406-l	38	64	21	240	< 2	29	9	17	9
	98-BMB-406-m	62	86	52	490	< 2	54	19	23	20
	98-BMB-406-n	76	76	47	650	< 2	64	21	26	23
	98-BMB-406-o	94	58	32	1000	< 2	69	21	26	26
	98-BMB-406-p	72	87	52	680	< 2	59	20	27	24
	98-BMB-406-q	58	89	52	720	< 2	49	20	25	21
	98-BMB-406-r	43	83	57	1000	< 2	33	19	24	18
	98-BMB-406-s	47	78	46	760	< 2	36	17	24	18

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Lanthanum ppm	Lead ppm	Lithium ppm	Manganese ppm	Molybdenum ppm	Neodymium ppm	Nickel ppm	Niobium ppm	Scandium ppm
8B	98-BMB-401-a	69	58	38	1400	< 2	72	13	23	12
	98-BMB-401-b	71	64	40	960	< 2	71	13	27	12
	98-BMB-401-c	63	56	40	570	< 2	64	12	28	12
	98-BMB-401-d	65	54	37	390	< 2	60	10	31	12
	98-BMB-401-e	60	73	40	460	< 2	55	11	33	12
	98-BMB-401-f	69	55	37	340	< 2	61	11	29	13
	98-BMB-401-g	84	66	38	400	< 2	75	13	33	13
	98-BMB-401-h	53	56	40	360	< 2	46	11	38	12
	98-BMB-401-i	48	94	40	920	< 2	45	12	35	13
	98-BMB-401-j	52	87	38	910	< 2	47	12	33	12
9B	98-BMB-402-a	44	420	33	800	< 2	37	12	28	11
	98-BMB-402-b	35	280	25	250	< 2	28	8	28	7
	98-BMB-402-c	36	420	28	360	< 2	29	9	28	7
	98-BMB-402-d	53	660	34	840	< 2	44	12	32	11
	98-BMB-402-e	40	480	33	310	< 2	35	10	30	8
	98-BMB-402-f	52	910	39	310	2	46	14	30	12
	98-BMB-402-g	47	860	40	220	< 2	41	13	38	11
	98-BMB-402-h	48	360	48	170	5	48	21	24	11
	98-BMB-402-i	53	70	47	220	< 2	48	23	21	13
	98-BMB-402-j	49	49	41	260	< 2	42	18	22	12
	98-BMB-402-k	46	40	33	230	< 2	34	15	21	9
	98-BMB-402-l	58	51	53	350	2	50	26	25	15
	98-BMB-402-m ¹	59	69	44	385	< 2	45	24	25	14

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Lanthanum ppm	Lead ppm	Lithium ppm	Manganese ppm	Molybdenum ppm	Neodymium ppm	Nickel ppm	Niobium ppm	Scandium ppm
10B	98-BMB-403-a	54	65	40	2200	< 2	52	18	26	12
	98-BMB-403-b	54	56	40	1500	< 2	49	15	30	12
	98-BMB-403-c	50	58	40	1400	< 2	46	16	30	12
	98-BMB-403-d	56	63	38	1000	< 2	50	14	28	12
	98-BMB-403-e	44	47	34	600	< 2	36	10	27	9
	98-BMB-403-f	54	63	44	560	< 2	49	15	29	12
	98-BMB-403-g	46	48	32	420	< 2	40	11	25	9
	98-BMB-403-h	47	58	41	460	< 2	41	14	27	11
	98-BMB-403-i	40	48	36	380	< 2	32	10	28	9
	98-BMB-403-j	50	64	37	800	2	40	12	30	14
11B	97-BMB-123a	54	99	31	700	2	52	16	28	12
	97-BMB-123b	56	86	28	770	2	54	14	30	13
3T	98BMF 105B-k	36	41	30	160	< 2	26	8	20	7
	98BMF 105B-l	33	31	21	130	< 2	21	6	19	6
	98BMF 105B-m	63	67	50	220	< 2	42	16	24	12
	98BMF 105B-n	44	66	55	290	< 2	37	17	26	14
Jack Creek										
12B	98-BMB-407-a	64	50	74	1200	3	52	26	17	18
	98-BMB-407-b	79	39	78	2000	3	65	27	14	17
	98-BMB-407-c	56	35	71	1500	< 2	46	23	20	19
	98-BMB-407-d	55	35	72	1800	2	43	23	20	18
	98-BMB-407-e	52	33	70	1300	< 2	42	22	24	20
	98-BMB-407-f	55	36	80	1300	< 2	44	23	23	18

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Lanthanum ppm	Lead ppm	Lithium ppm	Manganese ppm	Molybdenum ppm	Neodymium ppm	Nickel ppm	Niobium ppm	Scandium ppm
13B	97-BMB-122a	96	180	39	2100	6	69	21	20	19
	97-BMB-122b	63	86	43	1200	5	50	21	25	19
	97-BMB-122c	50	78	55	900	4	38	22	26	18
	97-BMB-122d	61	90	56	840	4	44	22	26	18
	97-BMB-122e	58	72	56	680	4	42	23	24	17
	97-BMB-122f	65	69	54	620	2	44	25	27	17
	97-BMB-122g	69	72	51	620	3	55	26	27	18
	97-BMB-122h	82	70	48	730	3	62	25	28	20
	97-BMB-122i	85	85	48	700	4	68	26	27	20
14B	98-BMB-405-a ¹	31	2750	33	265	7	24	9	11	10
	98-BMB-405-b	64	570	54	670	4	52	21	23	19
	98-BMB-405-c	76	90	54	910	< 2	64	27	25	22
	98-BMB-405-d	77	69	54	1000	< 2	64	25	27	23
	98-BMB-405-e	120	43	37	1700	< 2	89	29	34	37
	98-BMB-405-f	92	66	38	1500	5	77	28	25	36
	98-BMB-405-g	87	65	42	1300	< 2	72	25	26	30
15B	98-BMB-404-a	64	400	34	1500	3	49	18	21	18
	98-BMB-404-b	62	380	34	1500	< 2	48	18	23	18
	98-BMB-404-c	79	430	32	1600	2	55	19	22	19
	98-BMB-404-d	53	450	49	1100	< 2	44	23	20	17
	98-BMB-404-e	82	360	35	1100	< 2	59	25	21	19
	98-BMB-404-f	85	230	29	4300	< 2	58	25	17	19
	98-BMB-404-g	71	350	33	2100	4	53	21	19	20
	98-BMB-404-h	31	60	48	540	3	25	18	17	11

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Lanthanum ppm	Lead ppm	Lithium ppm	Manganese ppm	Molybdenum ppm	Neodymium ppm	Nickel ppm	Niobium ppm	Scandium ppm
Uncle Sam Gulch										
16B	97-BMB-134a	54	1600	39	1000	9	39	13	25	11
	97-BMB-134b	62	1000	36	1400	10	43	12	26	10
	97-BMB-134c	61	700	36	2800	12	44	13	26	11
	97-BMB-134d	67	1000	38	920	15	52	14	20	11
	97-BMB-134e	59	890	34	620	13	48	14	20	10
	97-BMB-134f	66	1000	40	400	12	50	13	29	11
	97-BMB-134g	68	990	32	710	16	49	13	29	11
17B	97-BMB-135a	21	820	13	670	6	18	9	7	4
	97-BMB-135b	64	870	38	1300	11	57	12	14	9
	97-BMB-135c	59	750	44	2400	10	58	13	14	11
	97-BMB-135d	57	440	47	6600	12	48	14	18	11
	97-BMB-135e	71	260	58	2700	15	56	14	31	12
	97-BMB-135f	71	190	65	3300	22	55	18	30	12
	97-BMB-135g	75	180	62	3200	21	60	18	29	12
	97-BMB-135h	80	200	67	3000	18	60	17	30	13
	97-BMB-135i	80	210	68	2400	21	63	16	33	13
	97-BMB-135j	72	220	73	2400	30	58	16	30	14
	97-BMB-135k	79	180	61	1500	20	57	16	33	12
	97-BMB-135l	93	210	58	2100	14	68	16	33	13

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Lanthanum ppm	Lead ppm	Lithium ppm	Manganese ppm	Molybdenum ppm	Neodymium ppm	Nickel ppm	Niobium ppm	Scandium ppm
High Ore Creek										
18B	96-BM-139a ¹	29	3100	27	5300	20	21	11	< 4	6
	96-BM-139b	25	3300	27	7900	22	17	12	< 4	6
	96-BM-139c	48	1400	60	3500	10	38	22	18	15
	96-BM-139d	52	2800	57	2600	7	41	23	19	16
	96-BM-139e	56	6000	54	4300	11	43	24	17	17
	96-BM-139f	56	7400	57	4400	12	44	24	20	19
	96-BM-139g	70	1900	72	3700	6	51	29	23	24
	96-BM-139h	62	220	77	4600	6	48	33	20	22
19B	97-BMB-125a	40	19000	34	460	12	32	16	17	13
	97-BMB-125b	51	7000	53	4200	11	41	23	17	19
	97-BMB-125c	60	4200	42	900	5	47	18	25	16
	97-BMB-125d	67	1900	39	1500	5	48	16	29	14
	97-BMB-125e	56	1200	55	2000	6	40	19	20	15
	97-BMB-125f	62	440	91	1400	8	49	22	25	21
	97-BMB-125g	63	300	76	1500	7	50	20	25	21
	97-BMB-125h	68	360	84	1700	10	56	25	22	25
	97-BMB-125i	68	400	83	1800	12	55	28	23	25
	97-BMB-125j	72	370	98	2100	11	56	30	24	27
	97-BMB-125k ¹	68	740	88	1850	10	53	27	24	24
	97-BMB-125l	71	1000	70	1600	9	55	29	25	21
	97-BMB-125m	72	460	70	1600	7	55	27	26	22

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Lanthanum ppm	Lead ppm	Lithium ppm	Manganese ppm	Molybdenum ppm	Neodymium ppm	Nickel ppm	Niobium ppm	Scandium ppm
High Ore Creek below Comet Mine										
5T	97BMF-130-5-d	34	134	28	1365	5	29	11	8	8
	97BMF-130-5-f	21	136	16	341	< 2	14	< 3	11	4
	97BMF-130-7-e	30	131	25	392	2	23	7	10	7
	97BMF-130-7-g	38	128	28	823	< 2	28	10	16	8
	97BMF-131-9-f	26	64	18	109	< 2	20	4	10	4
	97BMF-131-9-g	26	51	17	114	< 2	18	3	10	5
	97BMF-131-13-e	25	30	16	360	< 2	15	4	12	4
	97BMF-131-13-f	37	45	24	1310	< 2	27	9	18	8

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Silver ppm	Strontium ppm	Thorium ppm	Tin ppm	Vanadium ppm	Ytterbium ppm	Yttrium ppm	Zinc ppm
Boulder River									
1B	99-BMB-102a	< 2	630	14	< 5	80	2	20	110
	99-BMB-102b	< 2	680	17	10	73	2	17	150
	99-BMB-102c	14	480	22	13	120	2	23	670
2B	99-BMB-103a	< 2	500	16	< 5	81	2	25	380
	99-BMB-103b	< 2	630	18	< 5	94	2	21	300
	99-BMB-103c	< 2	730	31	< 5	140	2	26	150
	99-BMB-103d	< 2	660	68	< 5	140	2	26	210
	99-BMB-103e ¹	< 2	595	40	< 5	125	3	27	365
3B	99-BMB-104a	4	350	24	< 5	110	2	23	560
	99-BMB-104b	11	380	42	9	160	2	21	510
	99-BMB-104c ¹	< 2	460	51	< 5	245	3	33	340
4B	99-BMB-106a	< 2	450	15	< 5	120	2	23	97
	99-BMB-106b	< 2	490	26	< 5	120	2	24	96
	99-BMB-106c	< 2	480	33	< 5	140	2	28	110
	99-BMB-106d	< 2	550	67	< 5	120	3	33	160
5B	99-BMB-105a	< 2	430	42	< 5	120	2	23	140
	99-BMB-105b	< 2	400	33	< 5	140	2	27	360
	99-BMB-105d	3	380	31	< 5	140	2	25	670

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Silver ppm	Strontium ppm	Thorium ppm	Tin ppm	Vanadium ppm	Ytterbium ppm	Yttrium ppm	Zinc ppm
6B	99-BMB-108a	< 2	440	59	< 5	110	2	25	130
	99-BMB-108b	< 2	470	29	< 5	160	3	32	270
	99-BMB-108c	< 2	530	65	< 5	150	3	34	240
	99-BMB-108d	< 2	490	25	< 5	150	3	34	550
Basin Creek									
7B	98-BMB-406-a	< 2	290	6	< 5	46	3	26	93
	98-BMB-406-b	< 2	280	6	< 5	35	3	26	65
	98-BMB-406-c	< 2	220	19	< 5	92	4	42	160
	98-BMB-406-d	< 2	150	27	< 5	120	4	44	140
	98-BMB-406-e	< 2	110	20	< 5	92	2	21	120
	98-BMB-406-f	< 2	180	32	< 5	140	5	54	150
	98-BMB-406-g ¹	< 2	235	31	< 5	190	3	36	150
	98-BMB-406-h	< 2	290	36	< 5	190	6	71	200
	98-BMB-406-i	< 2	280	37	< 5	140	4	44	200
	98-BMB-406-j	< 2	340	34	< 5	230	5	39	210
	98-BMB-406-k	< 2	220	34	< 5	130	6	68	240
	98-BMB-406-l	< 2	370	17	< 5	98	2	19	70
	98-BMB-406-m	< 2	270	36	< 5	130	4	46	220
	98-BMB-406-n	< 2	340	39	< 5	180	5	50	200
	98-BMB-406-o	< 2	390	36	< 5	360	4	43	140
	98-BMB-406-p	< 2	330	40	< 5	150	4	47	210
	98-BMB-406-q	< 2	320	35	< 5	140	4	38	210
	98-BMB-406-r	< 2	260	31	< 5	140	2	24	220
	98-BMB-406-s	< 2	270	29	< 5	130	3	26	190

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Silver ppm	Strontium ppm	Thorium ppm	Tin ppm	Vanadium ppm	Ytterbium ppm	Yttrium ppm	Zinc ppm
8B	98-BMB-401-a	< 2	200	9	< 5	65	6	71	140
	98-BMB-401-b	< 2	210	14	< 5	70	6	71	130
	98-BMB-401-c	< 2	210	16	< 5	69	6	64	110
	98-BMB-401-d	< 2	240	18	< 5	72	5	60	96
	98-BMB-401-e	< 2	240	18	< 5	84	5	57	110
	98-BMB-401-f	< 2	230	18	< 5	78	5	61	98
	98-BMB-401-g	< 2	260	22	< 5	82	6	82	110
	98-BMB-401-h	< 2	260	21	< 5	75	5	52	110
	98-BMB-401-i	< 2	250	17	< 5	88	4	44	110
	98-BMB-401-j	< 2	260	16	< 5	92	4	46	120
9B	98-BMB-402-a	2	240	17	< 5	78	3	35	490
	98-BMB-402-b	< 2	240	16	< 5	56	3	27	210
	98-BMB-402-c	< 2	230	17	< 5	58	3	32	280
	98-BMB-402-d	< 2	230	21	< 5	90	4	41	420
	98-BMB-402-e	< 2	220	18	< 5	59	4	39	320
	98-BMB-402-f	6	190	23	< 5	84	4	47	340
	98-BMB-402-g	6	160	24	< 5	78	4	43	330
	98-BMB-402-h	2	120	22	< 5	87	4	50	380
	98-BMB-402-i	< 2	170	24	< 5	91	4	45	320
	98-BMB-402-j	< 2	240	24	< 5	84	3	37	220
	98-BMB-402-k	< 2	290	20	< 5	68	2	28	130
	98-BMB-402-l	< 2	250	28	< 5	120	4	46	240
	98-BMB-402-m ¹	< 2	240	37	< 5	140	4	35	230

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Silver ppm	Strontium ppm	Thorium ppm	Tin ppm	Vanadium ppm	Ytterbium ppm	Yttrium ppm	Zinc ppm
10B	98-BMB-403-a	< 2	210	13	< 5	83	5	53	260
	98-BMB-403-b	< 2	260	15	< 5	82	5	50	180
	98-BMB-403-c	< 2	250	15	< 5	78	5	48	160
	98-BMB-403-d	< 2	260	20	< 5	78	5	49	160
	98-BMB-403-e	< 2	260	15	< 5	60	3	35	120
	98-BMB-403-f	< 2	230	22	< 5	82	4	47	160
	98-BMB-403-g	< 2	260	14	< 5	62	4	39	120
	98-BMB-403-h	< 2	250	19	< 5	74	4	39	140
	98-BMB-403-i	< 2	260	18	< 5	61	3	30	110
	98-BMB-403-j	< 2	340	18	< 5	100	4	35	120
11B	97-BMB-123a	< 2	240	19	< 5	160	4	43	220
	97-BMB-123b	< 2	270	37	< 5	170	5	43	270
3T	98BMF 105B-k	< 2	320	17	< 5	47	2	24	180
	98BMF 105B-l	< 2	320	14	< 5	35	2	16	180
	98BMF 105B-m	< 2	230	24	< 5	82	3	38	760
	98BMF 105B-n	< 2	240	26	< 5	90	3	38	700
Jack Creek									
12B	98-BMB-407-a	< 2	210	35	< 5	140	4	46	520
	98-BMB-407-b	< 2	190	35	< 5	130	5	58	510
	98-BMB-407-c	< 2	260	37	< 5	140	4	40	280
	98-BMB-407-d	< 2	260	38	< 5	140	4	36	280
	98-BMB-407-e	< 2	280	37	< 5	140	3	35	220
	98-BMB-407-f	< 2	280	37	< 5	140	3	36	210

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Silver ppm	Strontium ppm	Thorium ppm	Tin ppm	Vanadium ppm	Ytterbium ppm	Yttrium ppm	Zinc ppm
13B	97-BMB-122a	< 2	280	31	< 5	260	5	44	720
	97-BMB-122b	< 2	290	31	< 5	180	4	36	620
	97-BMB-122c	< 2	280	25	< 5	160	3	25	560
	97-BMB-122d	< 2	280	36	< 5	160	3	28	640
	97-BMB-122e	< 2	290	30	< 5	170	3	27	810
	97-BMB-122f	< 2	320	31	< 5	160	3	26	1400
	97-BMB-122g	< 2	280	38	< 5	160	3	35	1700
	97-BMB-122h	< 2	300	36	< 5	180	4	42	1400
	97-BMB-122i	< 2	280	41	< 5	170	4	46	1700
14B	98-BMB-405-a ¹	22	98	23	< 5	105	2	17	195
	98-BMB-405-b	5	230	37	< 5	150	5	53	680
	98-BMB-405-c	< 2	310	40	< 5	150	5	60	1800
	98-BMB-405-d	< 2	310	38	< 5	160	5	56	570
	98-BMB-405-e	< 2	310	50	< 5	450	7	66	210
	98-BMB-405-f	< 2	340	45	< 5	390	7	63	250
	98-BMB-405-g	< 2	340	44	< 5	230	6	61	180
15B	98-BMB-404-a	3	280	30	< 5	140	4	39	780
	98-BMB-404-b	3	290	30	< 5	140	4	39	780
	98-BMB-404-c	4	290	32	< 5	170	4	41	810
	98-BMB-404-d	4	250	34	< 5	120	4	40	1700
	98-BMB-404-e	2	270	36	< 5	330	4	42	1400
	98-BMB-404-f	< 2	290	23	< 5	350	4	41	620
	98-BMB-404-g	2	300	30	< 5	210	4	40	510
	98-BMB-404-h	< 2	290	10	< 5	100	2	18	400

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Silver ppm	Strontium ppm	Thorium ppm	Tin ppm	Vanadium ppm	Ytterbium ppm	Yttrium ppm	Zinc ppm
Uncle Sam Gulch									
16B	97-BMB-134a	14	350	26	< 5	68	2	21	1100
	97-BMB-134b	6	330	28	< 5	61	3	25	940
	97-BMB-134c	5	310	22	< 5	79	3	30	1100
	97-BMB-134d	5	250	33	< 5	65	4	39	1500
	97-BMB-134e	4	250	33	< 5	62	4	40	1700
	97-BMB-134f	5	240	37	< 5	63	5	52	1400
	97-BMB-134g	6	290	29	< 5	73	4	40	1300
17B	97-BMB-135a	4	100	11	< 5	25	2	19	1600
	97-BMB-135b	3	120	29	< 5	52	6	52	1600
	97-BMB-135c	3	140	26	< 5	61	6	45	1400
	97-BMB-135d	2	240	< 4	< 5	66	5	37	1100
	97-BMB-135e	< 2	340	32	< 5	86	5	47	1200
	97-BMB-135f	< 2	370	30	< 5	84	5	48	3800
	97-BMB-135g	< 2	350	27	< 5	88	6	49	2900
	97-BMB-135h	< 2	360	34	< 5	96	6	52	940
	97-BMB-135i	< 2	390	47	< 5	99	5	44	1200
	97-BMB-135j	< 2	400	43	< 5	100	5	47	1200
	97-BMB-135k	< 2	380	45	< 5	92	5	47	2100
	97-BMB-135l	< 2	420	39	< 5	93	5	53	2700

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Silver ppm	Strontium ppm	Thorium ppm	Tin ppm	Vanadium ppm	Ytterbium ppm	Yttrium ppm	Zinc ppm
High Ore Creek									
18B	96-BM-139a ¹	38	105	< 4	< 5	49	1	10	2150
	96-BM-139b	38	100	< 4	< 5	46	1	13	4100
	96-BM-139c	14	210	14	< 5	130	2	24	3800
	96-BM-139d	28	220	19	< 5	140	3	25	2800
	96-BM-139e	47	210	13	< 5	140	3	28	4000
	96-BM-139f	51	240	17	< 5	150	3	28	4300
	96-BM-139g	10	280	29	< 5	180	3	31	3300
	96-BM-139h	< 2	280	20	< 5	180	3	31	3900
19B	97-BMB-125a	120	170	23	< 5	81	2	19	1300
	97-BMB-125b	53	240	19	< 5	140	3	28	4300
	97-BMB-125c	28	300	31	< 5	100	4	34	1100
	97-BMB-125d	12	330	36	< 5	95	3	31	1600
	97-BMB-125e	7	200	27	< 5	110	3	27	3300
	97-BMB-125f	4	220	41	< 5	150	3	28	2500
	97-BMB-125g	3	240	38	< 5	140	3	31	2300
	97-BMB-125h	2	220	37	< 5	160	4	41	3800
	97-BMB-125i	3	220	45	< 5	160	4	40	3700
	97-BMB-125j	2	210	40	6	160	4	40	3300
	97-BMB-125k1	5	215	37	< 5	145	4	35	2950
	97-BMB-125l	9	250	35	< 5	140	4	38	4500
	97-BMB-125m	3	260	41	< 5	150	4	36	3100

Table 3. Major and trace element data from total digestions of stream terrace and core samples of bed sediments, Boulder River watershed, Montana—(continued)

Site Number (fig. 2)	Sample Number	Silver ppm	Strontium ppm	Thorium ppm	Tin ppm	Vanadium ppm	Ytterbium ppm	Yttrium ppm	Zinc ppm
High Ore Creek below Comet Mine									
5T	97BMF-130-5-d	< 2	253	11	10	66	2	16	4925
	97BMF-130-5-f	< 2	317	8	< 5	32	< 1	6	1360
	97BMF-130-7-e	< 2	247	10	0	49	2	18	2156
	97BMF-130-7-g	< 2	310	12	< 5	57	2	18	4650
	97BMF-131-9-f	0.01	372	9	< 5	44	1	8	335
	97BMF-131-9-g	0.01	333	11	< 5	39	1	7	304
	97BMF-131-13-e	0.01	433	11	< 5	34	< 1	7	166
	97BMF-131-13-f	0.01	367	15	6	53	2	16	549